

# Storm Data and Unusual Weather Phenomena

June 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## NEW MEXICO Southeast

NMZ027>029	Guadalupe Mountains Of Eddy County - Eddy County Plains - Lea	01 0000MST			0	0			Drought
	30 2359MST								
Drought conditions continued in Southwest Texas and Southeast New Mexico. The Midland International Airport reported 0.30 inches of precipitation for June, which is 1.25 inches below normal. The total for the April-June period was a bleak 0.32 inch versus the climate average of 4.36 inches or about 7% of normal. Agricultural losses will be great but will not be included until the end of the drought or the end of the harvest when totals are									

NMZ028-	Eddy County Plains -	20 1200MST			0	0			Excessive Heat
	30 1800MST								
New records for duration of 100 plus degree days were set at Carlsbad.									

## TEXAS West

TXZ045>048-050>052-053-057>063-067>070-074>075-079>082	Gaines - Dawson - Borden - Scurry - Andrews - Martin - Howard - Mitchell - Guadalupe Mountains Area - Reeves County And Upper Trans Pecos - Loving - Winkler - Ector - Midland - Glasscock - Ward - Crane - Upton - Reagan - Davis Mountains - Pecos - Presidio Valley - Marta Plateau - Big Bend Area - Terrell	01 0000CST			0	0			Drought
	30 2359CST								
Drought conditions continued in Southwest Texas and Southeast New Mexico. The Midland International Airport reported 0.30 inches of precipitation for June, which is 1.25 inches below normal. The total for the April-June period was a bleak 0.32 inch versus the climate average of 4.36 inches or about 7% of normal the driest April -June period on record. The first six months of the year were the second driest on record at 1.48" as compared to the driest January-June period of 1.31 inches in 1933. June 1998 was the 7th driest June on record dating back to 1930. Adding to the dryness was the fact that the high temperature averaged 100.2 degrees for the month and top readings for the month were 111 degrees on both the 3rd and the 27th.									

Agricultural losses will be great but will not be included until the end of the drought or the end of the harvest when totals are calculated.

Martin County 2 N Stanton	07	1200CST			0	0			Hail (0.75)
Howard County 7 WSW Big Spring	07	1215CST			0	0			Hail (1.50)
Howard County Coahoma	07	1248CST			0	0			Hail (1.00)
Mitchell County Westbrook	07	1315CST			0	0			Hail (1.75)
Scurry County 3 W Ira	07	1345CST			0	0			Hail (0.75)
A weak upper level disturbance helped to form convective showers in Winkler County, TX and Lea County, NM that intensified as they moved eastward into richer moisture. Showers and thunderstorms formed into a NW-SE line that stretched from near Seminole to Big Spring. The storms continued strong as they left the ICMF warning area to the east. These storms were embedded in low clouds and were being fed by warm, moist air above the surface as surface conditions were still quite cool during the event.									
Brewster County 10 NW Panther Junction	07	1840CST			0	0			Hail (0.75)
This storm formed near Lajitas and moved eastward into the northwestern sections of Big Bend National Park where it briefly became severe. Conditions in the vicinity of the storm were estimated as a temperature near 90 degrees and a dew point in the mid 50s.									
Ward County Royalty	10	1605CST			0	0	12K		Dry Microburst
14 Utility poles downed in the Royalty area.									
Presidio County 21 WNW Marfa	10	1606CST			0	0			Dry Microburst
A 70 mph wind was reported at the Aerostat site west of Marfa.									
Presidio County Marfa	10	1610CST			0	0	5K		Dry Microburst
Sheet metal was blown off roofs in town and a 72 mph wind gust was recorded by the ICMRF AWOS station at the airport.									
Jeff Davis County 10 NW Ft Davis	10	1700CST			0	0			Dry Microburst
60 mph wind gusts at McDonald Observatory.									
Dawson County 1 S Lamesa	10	1729CST			0	0	20K		Thunderstorm Wind (G61)

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JULY 1954									
<u>TEXAS West</u>									
A bowing thunderstorm caused wind damage on the south end of Lamesa near the highway 137/349 split. A metal barn and two pivot irrigation systems were destroyed by the wind. A peak wind gust of 70 mph was recorded at KPET radio station. Also one utility pole was knocked down in this area.									
Ector County									
3 N Odessa	10	1742CST			0	0	1K		Thunderstorm Wind
Thunderstorm winds blew down trees in the north sections of Odessa									
Scurry County									
2 SW Snyder	10	1745CST			0	0	0.40K		Thunderstorm Wind
Trees were knocked down in southwestern Snyder.									
Scurry County									
3 SE Snyder	10	1749CST			0	0	3K		Thunderstorm Wind
Part of a mobile home roof was peeled up by thunderstorm winds. Later in the evening rainfall damaged the contents inside.									
Ector County									
Gardendale	10	1755CST			0	0	2K		Thunderstorm Wind
Outflow winds from a bowing thunderstorm knocked down a brick wall.									
Midland County									
8 NNW (Maf) Midland	10	1802CST			0	0			Thunderstorm Wind (G52)
As the Gardendale storm moved into northwestern Midland County winds were estimated at 60+ mph.									
Dawson County									
5 NNE Lamesa	10	1830CST			0	0	4K		Thunderstorm Wind
5 utility poles were knocked down by strong outflow winds.									
Dawson County									
8 E Lamesa	10	1840CST			0	0	2K		Thunderstorm Wind
The Key community was at the apex of a bowing thunderstorm where half of a carport was ripped apart.									
Howard County									
Knott	10	1945CST			0	0	1.5K		Thunderstorm Wind
Two utility poles were knocked down by strong outflow winds.									
Terrell County									
8 SE Sanderson	10	1900CST 1905CST			0	0	1K		Thunderstorm Wind
Outflow winds knocked down a utility pole along U.S. Highway 90 that cut the power to all points east.									
Terrell County									
5 W Dryden	10	1924CST			0	0	1K		Thunderstorm Wind (G52)
Thunderstorm outflow winds clocked at 52 knots before power was knocked out at the airport. Also, a utility pole was knocked down about 3 miles north of the airport.									
Mitchell County									
Loraine	10	2030CST			0	0	1K		Thunderstorm Wind
Large tree limbs were blown off.									
Terrell County									
5 N Sanderson	12	1814CST			0	0	10K		Thunderstorm Wind
Thunderstorm winds destroyed a large barn on a ranch north of Sanderson.									
Terrell County									
West Portion	12	1930CST 2330CST			0	0			Flash Flood
Torrential rains flooded portions of Ranch Road 2400.									
Pecos County									
4 S Ft Stockton	13	1425CST			0	0	5K		Thunderstorm Wind
A cluster of small cells formed in Pecos County moving to the east. One of the cell produced microburst winds that turned over a diesel tanker truck and down utility lines.									
Pecos County									
9 NE Bakersfield	13	1520CST			0	0	10K		Thunderstorm Wind
The Fort Stockton cluster continued to move to the east and took the roof off one mobile home, damaged the walls of another mobile home, and damaged a barn in the Bakersfield Valley community.									
Upton County									
2 SE Mc Camey	13	1545CST			0	0			Thunderstorm Wind (G52)

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Location	Date	Local/ Standard	(Mi les)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
TEXAS West										
	The north end of the Bakersfield valley cluster sent 60 mph outflow winds into extreme southern Upton County. This day saw unstable air on both sides of the dry line located from the southwest corner of Oklahoma SSW to west of Sanderson. At 1800 UTC, the moist air mass temperatures were near 90 degrees with dew points near 70 degrees, whereas in the "dry" air temperatures in the upper 90s and dew points in the lower to mid 50s.									
Brewster County Alpine	13	1715CST			0	0	3K		Thunderstorm Wind	
	A cluster of small storms moved over Alpine with microburst winds knocking down utility poles and blowing out windows.									
Martin County 2 SW Stanton	13	1730CST			0	0	2.5K		Thunderstorm Wind	
	Utility poles were knocked down by microburst winds from a small single cell storm that was in a broken line of storms moving to the east.									
Terrell County 5 W Dryden	13	1924CST			0	0			Thunderstorm Wind (G50)	
	A line of storms extended from McCamey south to the Rio Grande. A 50 knot gust was recorded by the Terrell County Airport ASOS.									
Terrell County 38 NNE Dryden	13	1935CST			0	0	5K		Thunderstorm Wind	
	A cell in the northern part of the line had damaging wind gusts that ripped doors off one house, blew belongings out into the yard, and took the roof off a barn.									
Terrell County South Portion	13	1940CST 2100CST			0	0			Flash Flood	
	Heavy rains from clusters of storms caused flooding along U.S. Highway 90 ten miles east of Sanderson.									
Terrell County West Portion	13	1940CST 2200CST			0	0			Flash Flood	
	Very Heavy rains from clusters of storms caused flooding in several places along Ranch Road 2400.									
TXZ061Ector	17	1605CST			0	0	10K		High Wind (G52)	
	A large dust devil took a 30 x 40 foot corrugated metal roof covering off a church building in Odessa. When the metal was cast into the air it became entangled with and took down utility lines along a two block area. The roof and lines landed in a busy University Blvd. where five cars were scratched by the roof. The event was about 3 miles west of downtown.									
Midland County 4 W Midland	17	1845CST			0	0	50K		Hail (1.75)	
	The initial storm of this event developed along the dry line, near the Ector/Crane County line. The storm developed rapidly and was a single cell storm for much of its life. The storm intensified as it moved into the western part of Midland where golfball size hail fell briefly damaging vehicles and a few roofs.									
Howard County Knott	17	1910CST			0	0			Hail (1.75)	
	Another storm that developed along the dry line and moved in from Martin County.									
Scurry County 2 NW Snyder	17	2015CST			0	0	5K		Thunderstorm Wind	
	Thunderstorm outflow winds damaged three new pickup truck beds and destroyed a bed topper. Also a goat shed had much of its metal stripped off.									
Scurry County 2 NE Snyder	17	2025CST			0	0	1K		Thunderstorm Wind	
	Power lines and a tree were knocked down by the same storm as it moved to the east.									
	A strong capping inversion kept most of West Texas from seeing any deep convection on this afternoon, but a combination of very hot temperatures and strong convergence along the dry line started storms in Southwest Texas. The high temperature at KMAF was 106 on this afternoon on the dry side of the dry line, with KFST reporting 101 degrees and a dew point of 64 degrees									
	On the moist side plus an easterly 25 knot wind. To get an idea of the mid-level warmth that had to be overcome, the 00 UTC 700 mb temperature at KMAF was 16.2 degrees C.									
Howard County 3 S Luther	17	1935CST			0	0	2K		Thunderstorm Wind	

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<b><u>TEXAS, West</u></b>									
Upton County Mc Camey	18	0005CST			0	0			Thunderstorm outflow rolled over and damaged a farm animal pen and broke a storm door. Hail (1.00)
Pecos County Iraan	18	0315CST			0	0			This multicell severe storm moved in from northern Pecos County. Hail (1.75)
Pecos County 1.7 SW Girvin	18	2355CST			0	0			A line of storms developed that stretch from near Sweetwater to Marathon. The most intense cell in the line marched over Iraan. Hail (1.75)
Pecos County 1.7 SW Girvin	18	2355CST			0	0			Thunderstorm Wind (G52)
Midland County Spraberry	19	1845CST			0	0			A thunderstorm passed through Girvin that produced hail up to golf ball size and winds estimated at over 60 mph. Hail (1.25)
Upton County 20 N Mc Camey	20	1745CST			0	0	2K		Thunderstorm Wind Thunderstorm outflow winds knocked down at least one utility pole as well as some highway signs along Texas 329.
Mitchell County 19 SW Colorado City	20	1945CST			0	0	8K		Thunderstorm Wind Several power lines poles were blown down and a roof was severely damaged
Dawson County 6 WNW Patricia	21	1800CST 1840CST			0	0			Thunderstorm Wind (G52) An almost stationary thunderstorm over southwestern Dawson County pounded the area with 60+ mph wind gusts for a 40 minute period.
Dawson County 4 SW Patricia	21	1810CST			0	0	20K	100K	Thunderstorm Wind A farm that received torrential rain, small hail, and high winds flipped an irrigation system and destroyed several hundred acres of cotton. The rain total at this farm was 3.5 inches.
Dawson County Patricia	21	1820CST			0	0			Thunderstorm Wind (G70) The storm in the southwestern Dawson County moved slowly to the east and produced winds estimated at close to 80 mph at a Cotton Gin.
Martin County 14 NW Tarzan	21	1845CST 1915CST			0	0	1K		Thunderstorm Wind Just as occurred in S W Dawson County, a long duration of wind occurred from this storm as it developed southward into Martin County. Many tree limbs were broken off and a small shed was damaged. A total of 2.25" of rain was recorded here.
Dawson County South Portion	21	1900CST 2030CST			0	0			Flash Flood Many County Roads in the area of heaviest rains became washed out. Two miles south of Patricia 3.5" of precipitation was recorded.
Martin County 4 WNW Three Leagues	21	1900CST 2030CST			0	0			Flash Flood Minor flooding occurred on State Highway 349 just south of the Dawson County line. Thunderstorms fired along the dry line during a once again hot and moderately humid afternoon. At 2100 UTC temperatures around 103 degrees with dew points in the upper 50s. CAPE values were around 2200 J/kg on the SHARP work station when lifting the low-level mean parcel.
Andrews County 20 SW Andrews	22	1815CST			0	0			Hail (1.75) During the time the intense cells were over Andrews County, the maximum organization of the strongest cell occurred here where this cell briefly approached supercell status. The storm was located near the intersection of highways 115 and 128.
Andrews County 20 SW Andrews	22	1815CST			0	0	1.5K		Thunderstorm Wind

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TEXAS   West									
	A couple of utility poles were knocked down by strong winds from this storm.								
Andrews County									
Andrews	22	1857CST			0	0			Hail (1.25)
	The same cluster of storms moved into Andrews although less intense then when the storms were farther southwest.								
	Another hot day with enough moisture to produce isolated severe thunderstorms. At maximum heating temperatures were near 101 degrees with dew points in the upper 50s. The KMAF 00 UTC sounding showed 2800 J/kg of CAPE. The Andrews County storms formed in Winkler County and moved to the northeast. During the life cycle the storms were multicell, but with the leading cells (on the east side) being the best organized with good relative inflows.								